



KERALA AGRICULTURAL UNIVERSITY
B.Tech.(Food Engg.) 2016 Admission
III Semester Final Examination-January-2018

Bas.c.2107

Computer Programming (1+1)

Marks: 50
Time: 2 hours
(10x1=10)

I Choose the correct answer

1. What does a class hold?
a data b functions c both a & b d none of the above
2. How many specifiers are present in access specifiers in class?
a 1 b 2 c 3 d 4
3. Which operator is used for input stream?
a > b << c < d >>
4. Which is used to define the member of a class externally?
a : b :: c # d &
5. Which of the following concepts means wrapping up data and functions together?
a Abstraction b Encapsulation c Inheritance d Polymorphism
6. Where does the execution of a program starts?
a Main function b User-defined function
c Void function d None of the above
7. $c=(a>b)?a:b$; if $a=5$ and $b=6$, what is the value for c .
a 6 b 5 c 4 d 7
8. Which operator is having the highest precedence?
a unary b postfix c shift d equality
9. What is the syntax of inheritance of class?
a class name b class name : access specifier
c class name: access specifier class name d class name : class name
10. Which of the following correctly declares an array?
a `int array[10];` b `int array;` c `int array{10}` d `int array(10)`

II Write Short notes on any FIVE of the following

(5x2=10)

1. List the characteristics of OOPs.
2. Define a structure with its syntax.
3. What is a constant.
4. Compare / and %.
5. List the relational operators available in C++.
6. What is data abstraction.
7. Define class and object.

III Answer any FIVE of the following.

(5x4=20)

1. Explain polymorphism with an example.
2. Explain private vs protected member access mode.
3. Explain virtual functions
4. Explain input and output statements in C++.
5. Write a C++ program to find if the given number is even or odd.
6. Define a variable. Mention the Rules for naming it.
7. What are friend functions? Discuss their uses in OOPs.

IV Write an essay on any ONE of the following

(1x10=10)

1. Explain call by value and call by reference with an example.
2. Write a C++ program to swap two numbers.
